

ELIZABETHTOWN LANDFILL SITE
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Lab Reports, prepared by the Pennsylvania Department of Environmental Resources (PADER), 3/21/83 to 12/20/83.
P. 100001-100022. The following are attached:

- a) a Special Analyses Report, Sample No. 0303796;
- b) a Water and Wastewater Report, Sample No. 8313516;
- c) a Water or Waste Quality Report, Sample No. 0303796;
- d) a Water or Waste Quality Report, Sample No. 1325322;
- e) two single sample inquiries;
- f) bacteriological analyses;
- g) a Water or Waste Quality Report--Special Analyses, Sample No. 1325322;
- h) a Waste Discharge Inspection Report;
- i) a Water or Waste Quality Report, Sample No. 0304100;
- j) a Water and Wastewater Report, Sample No. 8309151;
- k) a desk memorandum;
- l) a Disposal Site Report;
- m) a letter regarding a response to a request for a completion schedule and other specifics concerning SCA Services, Inc.'s plan to evaluate leachate and ground water at the Elizabethtown Landfill Site.

* Administrative Record File available 5/17/91, updated 5/18/94, 7/28/95, 11/29/95, 10/3/97, 10/13/97, and 1/8/98.

- n) a Water or Waste Quality Report, Sample No. 0303837;
 - o) a Water and Wastewater Report, Sample No. 8321137;
 - p) a Water or Waste Quality Report, Sample No. 0303838;
 - q) a Water and Wastewater Report, Sample No. 0321087;
 - r) a Water and Wastewater Report, Sample No. 0321066;
 - s) a Water or Waste Quality Report, Sample No. 0303836;
 - t) a memorandum entitled "EPA's Access Issues with Waste Management at the Elizabethtown Landfill."
2. Letter to Mr. Edward R. Summons, Bureau of Solid Waste Management, from Mr. Ira D. Cohen, SCA Services, Inc., re: PADER's concerns about the grading, vegetation, and leachate control at the site, 4/21/83. P. 100023-100024.
 3. Data Tables, 6/8/83. P. 100025-100029. Table 1, Aquatic Biological Investigation Sampling Station Locations; Table 2, Aquatic Biological Investigation, Water Chemistry Data; Table 3, Benthic Macroinvertebrates (Qualitative Collective); and a Disposal Site Report are included.
 4. Report: Results of Subsurface Investigation and Piezometer Installations United Disposal/Elizabethtown Landfill, West Donegal Township, Lancaster County, Pennsylvania, prepared by F.T. Kitlinski and Associates, Inc., 2/84. P. 100030-100058. A letter regarding the report is attached.
 5. Report: Results and Quality Assurance Data, prepared by Environmental Testing and Certification Corporation (ETC), 2/27/84. P. 100059-100085. A letter regarding the report is attached.

6. Memorandum to Mr. James T. Flesher, Harrisburg Regional Office, from Mr. Robert J. Schott, Harrisburg Regional Office, re: Aquatic Biological Investigation for Conoy Creek, 3/1/84. P. 100086-100087.
7. Letter to Mr. Frank Fair, Pennsylvania Bureau of Solid Waste Management, from Mr. John Rhodes, SCA Services, Inc., re: Information and summary of a discussion concerning the evaluation of leachate and groundwater, 3/16/84. P. 100088-100091.
8. Letter to Mr. Arthur Della Piazza, PADER, from Mr. John Rhodes, SCA Services, Inc., re: Water quality tests, 8/6/84. P. 100092-100119. A letter regarding chemical analyses and the water quality tests are attached.
9. Letter to Mr. John Rhodes, SCA Services, Inc., from Mr. Arthur L. Della Piazza, Pennsylvania Bureau of Solid Waste Management, re: Review of information provided by letters, investigations, and inspections of the United Disposal Company Landfill Site, 9/12/84. P. 100120-100122. An envelope is attached.
10. Letter to Mr. Bruce Beitler and Mr. Phil Rotstein, PADER, from Mr. Robert A. Watts, G.R.O.W.S., Inc., re: Copies of third quarter water quality test, 2/1/85. P. 100123-100134. Five certificates of analysis and six chemical analysis quarterly reports are attached.
11. Letter to Mr. Harold Byer, U.S. EPA, from Mr. Garth Glenn, Mr. Thomas Fromm, and Mr. Bruce R. Pluta, NUS Corporation, re: Sampling plan, 11/19/85. P. 100135-100141. A Technical Directive Document (TDD) and a proposed sample location map are attached.
12. Letter to Mr. Neil Wise, U.S. EPA, from Ms. Pamela S. Goodwin, Wolf, Block, Schorr, and Solis-Cohen, re: Confirmation of issues raised in a conference concerning the accessibility of NUS personnel to the Elizabethtown Landfill, 11/25/85. P. 100142-100149. Two envelopes are attached.
13. Sample Data Summary, 11/26/85. P. 100150-100165. Two sample location maps, an internal review of SISS Program Documents sheet, and a letter requesting information are attached.

14. Letter to Mr. Bernie Rieder, Waste Management Inc., from Mr. Thomas Voltaggio, U.S. EPA, re: A November 26, 1985 EPA site inspection, 12/10/85. P. 100166-100166.
15. Letter to Mr. Thomas J. Miller, PADER, from Mr. C. Bernard Rieder, Waste Management of North America Inc., re: Result of the 1st and 2nd quarter ground water monitoring data, 10/3/86. P. 100167-100229. The data is attached.
16. Report: Site Inspection of Elizabethtown Landfill, prepared by NUS Corporation, 8/25/87. P. 100230-100541.
17. Letter to Mr. Werner Raab, The MITRE Corporation, from Ms. Bernice Pasquini, U.S. EPA, re: Revisions made to the Elizabethtown Hazard Ranking System (HRS) package, 11/19/87. P. 100542-100543.
18. Report: Field Trip Summary Report, prepared by PADER, (undated). P. 100544-100547.

II. REMEDIAL ENFORCEMENT PLANNING

1. Administrative Order by Consent for Remedial Investigation/Feasibility Study In The Matter Of: Elizabethtown Landfill, 9/28/90. P. 200001-200044.

III. REMEDIAL RESPONSE PLANNING

1. Report: Health Assessment for Elizabethtown Landfill, prepared by the Agency for Toxic Substances and Disease Registry (ATSDR), 12/11/89. P. 300001-300015. A cover letter is attached.
2. Report: Toxicological Data Management, Elizabethtown Landfill, Revised Risk Assessment, prepared by CDM Federal Programs, 3/15/94. P. 300016-300265.
3. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's disapproval of the draft Remedial Investigation/Feasibility Study (RI/FS), 2/5/91. P. 300266-300379. EPA's comments on the work plan and an edited copy of the draft work plan are attached.
4. Letter to Mr. Nick Viscombe, Elizabethtown Borough, from Mr. Frank J. Quirus, Waste Management of North America, Inc., re: Waste Management's and SCA Services' decline to lease a property from the Borough that is adjacent to the site, 2/14/92. P. 300380-300380.
5. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's conditional approval of the RI/FS work plan, 7/8/92. P. 300381-300407. The required revisions to the RI/FS Work Plan and an edited draft of the work plan are attached.
6. Letter to Mr. Richard C. Karr, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's disapproval of language forwarded following a July 2, 1992 meeting between the EPA and Waste Management, 7/9/92. P. 300408-300409. An excerpt of the correspondence is attached.
7. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: Clarification of waiver of the 45-day notification period prior to sampling for Phase 1A of the RI/FS, 7/28/92. P. 300410-300410.

8. Report: Final Work Plan, Remedial Investigation/Feasibility Study, Volume 1A, prepared by Golder Associates, Inc., 8/92. P. 300411-300605.
9. Report: Final Work Plan, Remedial Investigation/Feasibility Study, Volume 1B, prepared by Golder Associates, Inc., 8/92. P. 300606-301282.
10. Report: Final Work Plan, Remedial Investigation/Feasibility Study, Volume 2A, prepared by Golder Associates, Inc., 8/92. P. 301283-301779.
11. Report: Final Work Plan, Remedial Investigation/Feasibility Study, Volume 2B, prepared by Golder Associates, Inc., 8/92. P. 301780-303130.
12. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: Proposed relocation of a monitoring well at the site, 8/3/92. P. 303131-303135. The following are attached:
 - a) a map of the relocation area;
 - b) a mailing list and a certified mail receipt;
 - c) a draft of an access agreement for property owners;
 - d) a record of telephone conversation between Mr. Glenn A. Schultz and Mr. Jim Kuntzleman, concerning property access dated July 15, 1992.
13. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's approval of the relocation of monitoring well ED 23, 8/7/92. P. 303136-303137. A map of the relocation area is attached.
14. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: Waste Management's proposal to relocate monitoring wells EU 25 and EU 26, 8/19/92. P. 303138-303142. The following are attached:
 - a) a map of the relocation area;

- b) a draft of an access agreement for property owners;
 - c) a copy of a certified mail receipt;
 - d) a record of a telephone conversation between Mr. Glen A. Schultz and Ms. Mary Hossler on July 27, 1992.
15. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's approval of the relocation of monitoring wells EU 25 and EU 26, 9/3/92. P. 303143-303144. A map of the relocation area is attached.
16. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz and Mr. Richard C. Karr, Waste Management of North America, Inc., re: Official notification to EPA that Phase IB of the RI/FS Work Plan is scheduled to commence on November 9, 1992, 9/14/92. P. 303145-303145.
17. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz and Mr. Richard C. Karr, Waste Management of North America, Inc., re: Waste Management's proposal to use an alternate method to obtain hydrogeological information at drilling well EU 15, 9/15/92. P. 303146-303150. A sketch of the relevant area and facsimile transmittal sheet are attached.
18. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz and Mr. Richard C. Karr, Waste Management of North America, Inc., re: SCA Services of Pennsylvania's acknowledgment of EPA's conditional approval of the proposal for borehole EU 15, 9/17/92. P. 303151-303151.
19. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study Phase 1A Sampling Results Letter Report (Including List of Chemicals of Potential Concern) Volume 1 of 2, prepared by Golder

Associates, Inc., 10/92. P. 303152-303323. A transmittal letter is attached.

20. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study Phase 1A Sampling Results Letter Report (Including List of Chemicals of Potential Concern) Volume 2 of 2, prepared by Golder Associates, Inc., 10/92. P. 303324-303724.
21. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz and Mr. Richard C. Karr, Waste Management of North America, Inc., re: SCA Services' belief that discrete non-municipal solid waste disposal areas need not be taken into consideration in the development of remediation plans, 10/8/92. P. 303725-303768. An investigation report and a report providing a qualitative assessment of the relevant issue are attached.
22. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's determination that all compounds on the Target Compound List and all analytes on the Target Analyte List except for PCB's must be retained for Phase IB and Phase IC sampling and analysis, 10/28/92. P. 303769-303769.
23. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study Candidate Technologies Memorandum, prepared by Golder Associates, Inc., 11/92. P. 303770-303821. A transmittal letter is attached.
24. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz and Mr. Richard C. Karr, Waste Management of North America, Inc., re: SCA Services' response to EPA's letter of October 9, 1992, and their belief that pesticides should not be included in the Chemicals of Concern list for the site, 12/17/92. P. 303822-303826. A letter concerning analytical results at the site is attached.
25. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's reiteration that pesticides be included in the list of Chemicals of Concern, 12/22/92. P. 303827-303834. A paper providing guidance on how to

prepare a Record of Decision (ROD), an excerpt from the Pennsylvania Civil Code, and a certified mail receipt are attached.

26. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: Regulatory comments on the wetlands and cultural assessment for the RI/FS, 12/30/92. P. 303835-303836.
27. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: Waste Management's progress on the RI/FS, 1/6/93. P. 303837-303838.
28. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's response to Waste Management's January 6, 1993, letter and notification that EPA does not intend to extend the RI/FS schedule, 1/20/93. P. 303839-303840.
29. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study Treatability Studies Work Plan, prepared by Golder Associates, Inc., 2/93. P. 303841-303860. A transmittal letter is attached.
30. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: The revised due date for the Treatability Studies Evaluation Report, 3/12/93. P. 303861-303861.
31. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: Transmittal of EPA's comments concerning Waste Management's pesticides data report, 3/17/93. P. 303862-303865. The comments are attached.
32. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: Transmittal of EPA's comments concerning Waste Management's Candidate Technologies Report, 3/18/93. P. 303866-303869. The comments are attached.
33. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: Transmittal of EPA's comments concerning

the Treatability Studies Work Plan, 3/18/93. P. 303870-303872. The comments are attached.

34. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Glen A. Schultz, Waste Management of North America, Inc., re: Notification of progress in the analytical analysis and that some analytical results might not be included in the draft Remedial Investigation due out May 21, 1993, 3/23/93. P. 303873-303877. The following are attached:
 - a) a facsimile transmittal sheet;
 - b) a letter dated March 19, 1993, concerning the need for revisions to the analytical data banks;
 - c) Table I, Revised Control Limits for Semivolatile LCS;
 - d) Table II, Revised Control Limits for Pesticide.
35. Letter to Mr. Glen A. Schultz, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's concern with the quality of work submitted by SCA Services and reiteration of the quality requirements as per the terms of the Administrative Order on Consent, 3/30/93. P. 303878-303879.
36. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study Treatability Studies Evaluation Report, prepared by Golder Associates, Inc., 4/93. P. 303880-304357.

- * 37. Report: Response to U.S. EPA Comments on May 1993 Draft Remedial Investigation Report, prepared by Golder Associates, Inc., 10/93. P. 304358-304422.
38. Letter to Mr. Andrew S. Levine, Waste Management of North America, Inc., from Mr. Charles B. Howland, U.S. EPA, re: Request for Waste Management to bring specified documents to a May 25, 1993, meeting with EPA, 5/11/93. P. 304423-304424.
39. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Andrew S. Levine, Waste Management of North America, Inc., re: SCA Services' intention to make Mr. Darryl Borelli of Manko, Gold & Katcher, SCA's Project Manager for the RI/FS, 6/16/93. P. 304425-304425.
40. Letter to Mr. Charles Howland, U.S. EPA, from Mr. Andrew S. Levine, Waste Management of North America, Inc., re: SCA Services' disputes EPA's contention that there has been a quality problem in their work at the site, 6/21/93. P. 304426-304426.
41. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's draft comments on the Treatability Studies Evaluation Report, 6/29/93. P. 304427-304429. A transmittal letter is attached.
42. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's draft comments concerning hydrogeological aspects of the site, 7/2/93. P. 304430-304436. A transmittal letter is attached.

* This report was inadvertently indexed out of chronological order.

43. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: Formal notification of EPA's disapproval of the draft Remedial

Investigation Report dated May 24, 1993, 7/30/93.
P. 304437-304536. The following are attached:

- a) the comments of Ms. Sherry Lee Gallagher, U.S. EPA, on the draft Remedial Investigation Report;
 - b) an excerpt from the May, 24, 1993, Remedial Investigation Report;
 - c) the comments of CH₂M-Hill on the Remedial Investigation Report;
 - d) the comments of Mr. Reginald F. Harris, U.S. EPA, concerning the draft Remedial Investigation Report;
 - e) a report entitled Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening;
 - f) an August 4, 1993, memorandum to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Reginald F. Harris, U.S. EPA;
 - g) the comments of Mr. Bruce Rundell, U.S. EPA, concerning the draft Remedial Investigation Report;
 - h) the comments of Mr. Robert S. Davis, U.S. EPA, concerning the draft Remedial Investigation Report;
 - i) PADER comments concerning the draft Remedial Investigation Report.
44. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's comments on the Treatability Studies Report and the request that these comments be addressed by SCA Services in the Feasibility Study Report, 8/17/93. P. 304537-304539. A transmittal letter is attached.
45. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's comments concerning the August 24, 1993 draft Aquifer

Test Program, 9/15/93. P. 304540-304545. A transmittal letter is attached.

46. Report: Work Plan for Aquifer Testing Program, prepared by RUST Environment and Infrastructure, 9/22/93. P. 304546-304599.
47. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA approval of the work plan for Aquifer Testing Program, 9/28/93. P. 304600-304602. A facsimile transmittal sheet and PADER's comments on the work plan are attached.

- * 48. Report: Elizabethtown Landfill, Response to U.S. EPA Comments of October 1993 Draft Remedial Investigation Report, prepared by Golder Associates, Inc., 5/94. P. 304603-304633.
49. Report: Ecological Risk Assessment, Elizabethtown Landfill, prepared by RUST Environment and Infrastructure, 11/93. P. 304634-305038. A transmittal letter is attached.
50. Letter to Mr. Joseph Murphy, Masonic Homes, from Ms. Sherry Lee Gallagher, U.S. EPA, re: Request for property access, 1/5/94. P. 305039-305040. A map of proposed test wells is attached.

51. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Joseph Murphy, Masonic Homes, re: Questions concerning the best way to carry out the aquifer testing on Masonic Homes property, 2/4/94. P. 305041-305041.
52. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's disapproval of the October 1993 Remedial Investigation Report, 2/22/94. P. 305042-305072. The following are attached:
- a) EPA's comments on the October 1993 Remedial Investigation Report;
 - b) an excerpt from the October 1993 Remedial Investigation Report;
 - c) CH₂M-Hill's comments on the October 1993 Remedial Investigation Report;
 - d) PADER's comments on the October 1993 Remedial Investigation Report.

* This report was inadvertently indexed out of chronological order.

53. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Darryl Borrelli, Manko, Gold & Katcher, re: SCA Services' inability to reach an access agreement with Masonic Homes in order to perform a pump test, 4/8/94. P. 305073-305091. The following are attached:
- a) a letter dated April 5, 1994, concerning alternatives to performing a pump test at the Masonic Homes property;
 - b) a letter dated October 11, 1993, concerning conditions for access at the Masonic Homes property;
 - c) a letter dated November 5, 1993, concerning conditions for access to the Masonic Homes property;
 - d) a letter dated December 2, 1993, concerning conditions for access to the Masonic Homes Property;

- e) a letter dated December 3, 1993, concerning the area impacted by the proposed pump test on the Masonic Homes property;
 - f) a letter dated March 8, 1994, concerning transmittal of a proposed access agreement for the Masonic homes property.
54. Report: Remedial Investigation/Feasibility Study, Revised Final Remedial Investigation Report, Volume 1, prepared by Golder Associates, Inc., 5/94. P. 305092-305415.
55. Report: Remedial Investigation/Feasibility Study, Revised Final Remedial Investigation Report, Volume 2, prepared by Golder Associates, Inc., 5/94. P. 305416-306379.
56. Report: Remedial Investigation/Feasibility Study, Revised Final Remedial Investigation Report, Volume 3, prepared by Golder Associates, Inc., 5/94. P. 306380-306717.
57. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: Transmittal of the draft Risk Assessment Report for the site, 5/10/94. P. 306718-306719. A transmittal letter for revisions to the Risk Assessment Report is attached.
58. Report: Review of U.S. EPA Revised Risk Assessment, Elizabethtown Landfill, RI/FS, prepared by Golder Associates, Inc., 6/94. P. 306720-306751.
59. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Darryl D. Borrelli, Manko, Gold & Katcher, re: Transmittal of comments on the draft Risk Assessment report prepared by EPA, 6/13/94. P. 306752-306753.
60. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: Response to SCA's comments on the Risk Assessment and notification of EPA's issuance of the Final Risk Assessment Report, 7/15/94. P. 306754-306769. A memorandum dated July 15, 1994, concerning actual responses to the revised risk assessment, a table entitled Equations and Example Calculations for

Ingestion Exposure to Groundwater, and two certified mail receipts are attached.

61. Letter to Mr. Charles Howland, U.S. EPA, from Mr. Brian J. Clark, Morgan, Lewis & Bockius, re: Access issues at the Masonic Homes property, 7/18/94. P. 306770-306775.
62. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's acceptance of SCA's Remedial Investigation Report Data and instructions for SCA to complete the Remedial Investigation Report, 7/28/94. P. 306776-306778. Attachment 1, Volatile and Semi-Volatile Organic Compounds, and two certified mail receipts are attached.
63. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Darryl D. Borrelli, Manko, Gold & Katcher, re: Transmittal of a letter reiterating a correction to the official data submitted to EPA for monitoring well ED101, 8/1/94. P. 306779-306794. A letter dated July 28, 1994 concerning clarification of analytical data for well ED101 and a sample data package are attached.
64. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Geoffrey R. Forrest, Manko, Gold & Katcher, re: Transmittal of the August 1994 revised Remedial Investigation Report revisions, 8/31/94. P. 306795-306850. The revisions are attached.
65. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: Request that an error be corrected in SCA's August 1994 revised Remedial Investigation Report revisions, 12/28/94. P. 306851-306853. Attachment A - a memorandum dated October 28, 1994, concerning CH₂M Hill's responsiveness review of the revised Remedial Investigation Report, and a certified mail receipt are attached.
66. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's disapproval of the August 1994 Feasibility Study

Report, 1/6/95. P. 306854-306887. The following are attached:

- a) EPA's comments on the August 1994 Feasibility Study Report;
 - b) CH₂M-Hill's and EPA's joint comments on the August 1994 Remedial Investigation Report;
 - c) comments of Mr. Robert S. Davis on the August 1994 Remedial Investigation Report;
 - d) PADER's November 9, 1994, comments on the August 1994 Remedial Investigation Report;
 - e) guidance document entitled Air Quality Permitting Criteria for Remediation Projects Involving Air Strippers and Soil Decontamination Units;
 - f) guidance document entitled Air Quality Permitting Criteria Including Best Available Technology Criteria for Municipal Waste Landfills;
 - g) PADER's December 12, 1994, comments concerning the August 1994 Feasibility Study Report;
 - h) Comments of Mr. Reginald F. Harris, U.S. EPA, concerning the August 1994 Feasibility Study Report.
67. Report: Elizabethtown Landfill Response to U.S. EPA Comments on August 1994 Draft Feasibility Study Report, prepared by Golder Associates, Inc., 2/95. P. 306888-306933.
68. Report: Final Feasibility Study Report, prepared by Golder Associates, Inc., 2/95. P. 306934-307580.
69. Letter to Mr. Peter Whipple, Elizabethtown Borough, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's request for information regarding the Elizabethtown POTW, 2/17/95. P. 307851-307586. Assumptions concerning flow rate and contaminant concentrations, a table of estimated constituent concentrations, and a list of questions concerning the viability of

discharging combined groundwater/leachate from the site to the Elizabethtown POTW.

70. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Peter J. Whipple, Elizabethtown Borough, re: Transmittal of the borough's response to EPA's letter of February 17, 1995, 3/6/95. P. 307587-307604. The response is attached.
71. Letter to Ms. Sherry Lee Gallagher, U.S. EPA, from Ms. Robin L. Pepperman, re: Response to questions concerning the water supply of Masonic Homes property, 4/3/95. P. 307605-307606. A map of the area is attached.
72. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's request that SCA Services sample and analyze well water, 4/19/95. P. 307607-307607.
73. Letter to Mr. Darryl Borrelli, Manko, Gold & Katcher, from Mr. Jeffrey L. Silar, PADER, re: Notification that as long as there is a flare in operation at the site PADER will not require an upgrade, 5/8/95. P. 307608-307608.
74. Report: Elizabethtown Landfill Remedial Investigation/Feasibility Study 1995 Residential Well Sampling Results Letter Report, prepared by Golder Associates, Inc., 6/95. P. 307609-307641.
75. Memorandum to Ms. Sherry Lee Gallagher and Mr. Gerald Heston, U.S. EPA, from Mr. Kevin P. McGarry, Roy F. Weston, Inc., re: A summary of the analytical results from the sampling of four residential wells, 6/2/95. P. 307642-307662. A memorandum summarizing a trip report and two site location maps are attached.

76. Letter to Mr. Trevan Houser, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's revision of the final Risk Assessment Report due to erroneous data submitted by SCA Services, 7/7/95. P. 307663-307671. The following are attached:
- a) a memorandum containing baseline risk assessment revisions;
 - b) Table 12, revised summary of non-cancer risks by exposure route current user scenario;
 - c) Table 13, revised summary of cancer and non-cancer risks by exposure route future use scenario groundwater results reported by PRP's;
 - d) Table 14, revised summary of cancer and non-cancer risks by exposure route future use scenario groundwater results reported by PRP's and using EPA splits;
 - e) a memorandum providing comments on the residential well sampling.
77. Letter to Mr. Trevan Houser, Waste Management of North America, Inc., from Ms. Sherry Lee Gallagher, U.S. EPA, re: EPA's conditional approval of the February 1995 Feasibility Study Report, 7/12/95. P. 307672-307690. A letter concerning the feasibility of using the Elizabethtown Borough's wastewater treatment plant to dispose of leachate from the site and a report concerning this same matter are attached.
78. Proposed Plan, Elizabethtown Landfill Superfund Site Elizabethtown, Lancaster County, PA, 7/26/95. P. 307691-307718.
79. Comments on Elizabethtown Landfill Proposed Remedial Action Plan, prepared by SCA/Golder Associates, Inc., 9/14/95. P. 300719-300730. A transmittal letter and a letter concerning the potential impact of Pennsylvania legislative changes on the Record of Decision and selected remedy for the site are attached.

80. Comments on the Proposed Remedial Action Plan for the Elizabethtown Landfill Superfund Site, prepared by Geoservices, Ltd., 9/25/95. P. 307731-307769.
81. Notes from a November 6, 1995, meeting with Congressman G. W. Gekas, the Masonic Homes, and U.S. EPA, re: Discussion of the proposed remedial action plan for the Elizabethtown Landfill Superfund Site, 11/6/95. P. 307770-307777. An excerpt from the September 25, 1995, comments on the proposed remedial action plan and a list of meeting attendees are attached.
82. Memorandum to Ms. Sherry Gallagher, U.S. EPA, from Ms. Lynn Flowers, U.S. EPA, re: Comments concerning the sampling and evaluation of drinking water supply wells in the vicinity of the site, 9/4/97. P. 307778-307822. The following are attached:
- a) Table, "Summary of Pre-ROD Four Quarters Drinking Supply Well Monitoring Data Exceedances of MCLs, RBCs, and/or SMCLs," dated September 4, 1997;
 - b) transmittal letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Kenneth Woodlin, Roy F. Weston, Inc. (Weston), dated May 23, 1996;
 - c) Trip Report, prepared by Weston, undated;
 - d) transmittal letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Jarrett Laraway, Weston, dated November 25, 1996;
 - e) Trip Report, prepared by Weston, dated November 25, 1996;
 - f) Trip Report, prepared by Weston, dated May 22, 1997; and
 - g) Trip Report, prepared by Weston, dated August 27, 1997.
83. Letter to Mr. Charles Howland, U.S. EPA, from Mr. Steven Miano, Manko, Gold & Katcher, re: Comments on the RI/FS report, 7/11/95. P. 307823-307887. A Land Recycling and Environmental Remediation Standards Act, undated, is attached.

84. Letter to Ms. Robin Pepperman, Masonic Homes, from Ms. Sherry Gallagher, U.S. EPA, re: Transmittal of Proposed Remedial Action Plan, 7/28/95. P. 307888-307888.
85. Fact sheet: Proposed Cleanup Plan, prepared by U.S. EPA, 8/95. P. 307889-307892.
86. Letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Joseph Murphy, Masonic Homes, re: A request for an extension of the public comment period on the Proposed Remediation Action Plan, 8/8/95. P. 307893-307893.
87. Letter to Mr. Joseph Murphy, Masonic Homes, from Ms. Sherry Gallagher, U.S. EPA, re: Request for a thirty-day extension of the public comment period on the Proposed Remedial Action Plan, 8/11/95. P. 307894-307894.
88. Transcript of Public Meeting Proceedings, Elizabethtown Landfill, 8/23/95. P. 307895-307927.
89. Report: Comment On Proposed Remedial Action Plan, prepared by GeoService, 9/25/95. P. 307928-307984. An August 16, 1996, letter to Mr. Thomas Voltaggio, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, is attached.
90. Letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Trevan Houser, Waste Management, re: Supplement to comments on EPA Proposed Remedial Action Plan, 9/26/95. P. 307985-307986.
91. Letter to Mr. Joseph E. Murphy, Masonic Homes, from Ms. Sherry Gallagher, U.S. EPA, re: Confirmation of a receipt of a letter concerning comments from Masonic Homes, 10/5/95. P. 307987-307987.
92. Letter to Ms. Sherry Gallagher, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, re: Information concerning the 400 foot well constructed for manganese contamination, 12/7/95. P. 307988-308000. The following are attached:
 - a) A December 5, 1995, letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Joseph McNally, GeoServices;

- b) Sampling data on the manganese concentrations in triassic rocks;
 - c) Reference List; and
 - d) Site map showing well locations.
- 93. Letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Trevan Houser, Waste Management, re: Response to comments submitted by Masonic Homes on the Proposed Remedial Action Plan, 12/8/95. P. 308001-308004.
 - 94. Letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Barry Garman, West Donegal Township, re: Comments on the Proposed Remedial Action Plan, 12/15/95. P. 308005-308006.
 - 95. Report: RI/FS Summary Information, prepared by Golder Associates, 2/95. P. A facsimile transmittal sheet to Mr. Greg Crystal, U.S. EPA, from Mr. Trevan Houser, Waste Management, dated Jan 22, 1996, is attached. 1/22/96. P. 308007-308034.
 - 96. Letter to Mr. Greg Crystal, U.S. EPA, from Mr. Trevan Houser, Waste Management, re: Notification of a meeting to be held on February 13, 1996, at 10:00 am at Masonic Homes, 1/30/96. P. 308035-308036. A February 13, 1996, meeting agenda is attached.
 - 97. Letter to Ms. Sherry Gallagher, U.S. EPA, from Mr. Trevan Houser, Waste Management, re: Impact of EPA administrative reforms, 5/2/96. P. 308037-308041.
 - 98. Letter to Ms. Robin Pepperman, Masonic Homes, from Mr. Greg Crystal, U.S. EPA, re: Concerning the integrity of the Masonic Homes drinking water supply, 3/8/96. P. 308042-308042.
 - 99. Letter to Mr. Peter Whipple, Borough of Elizabethtown, from Mr. Trevan Houser, Waste Management, re: Summary of meeting between Borough Waste Management concerning the final remedy at the site, 3/13/96. P. 308043-308043.
 - 100. Letter to Mr. Frank Klancher, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, re: Proposed Remedial Action Plan, 3/14/96. P. 308044-308046.

101. Report: Alternative Remedial Plan, prepared by Golder Associates, 8/96. P. 308047-308105. An August 21, 1996, transmittal letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Trevan Houser, Waste Management, is attached.
102. Letter to Waste Management, from Mr. Frank Klanchar, U.S. EPA, re: Notification that EPA is conducting quarterly ground water sampling of residential wells, 9/10/96. P. 308106-308106.
103. Letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Trevan Houser, Waste Management, re: Endorsement of the Alternative Remedial Plan, 9/26/96. P. 308107-308108. A September 20, 1996, letter of endorsement is attached.
104. Letter to Ms. Robin Pepperman, Waste Management, from Mr. Frank Klanchar, U.S. EPA, re: Notification that EPA is expanding its water sampling program, 10/8/96. P. 308109-308109.
105. Letter to Mr. Frank Klanchar, Waste Management, from Mr. Trevan Houser, Waste Management, re: Information regarding natural attenuation & monitoring, 10/8/96. P. 308110-308130. Attached are the following:
 - a) "In Situ Bioremediation: Defining the Limits," Environmental Science & Technology, written by Stephen Hart, Vol. 30, No. 9, 9/96;
 - b) "Environmental Isotope Characteristics of Landfill Leachates and Gases," Ground Water, Hackley, Liu, & Coleman, Vol. 34, No. 5, 9/96-10/96;
 - c) copies of handouts from a recent presentation by Peter Feldman, OSWER, taken from "Seminar Series on Bioremediation of Hazardous Waste Sites: Practical Approaches to Implementation;" and
 - d) copy of discussion paper entitled "Introductory Talk: Where Are We Now With Public And Regulatory Acceptance? RCRA and CERCLA", by Lovelace and Feldman, OERR, USEPA.

106. Letter to Mr. Frank Klanchar, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, re: Concerns over the sampling event that occurred on August 27, 1996, 12/13/96. P. 308131-308131.
107. Letter to Mr. G. Paul Klinger, West Donegal Township, from Mr. Trevan Houser, Waste Management, re: The best alternative remedy for providing water to residences, 12/23/96. P. 308132-308132.
108. Report: Agreement and Alternative Remedial Plan, prepared by Waste Management, 2/28/97. P. 308133-308211. A May 19, 1997, transmittal letter to Ms. Sherry Gallagher, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, is attached.
109. Report: Environmental Monitoring Plan, prepared by Golder Associates, March 1997. P. 308212-308247. A March 25, 1997, transmittal letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Trevan Houser, Waste Management, is attached.
110. Letter to Mr. Charles Howland, U.S. EPA, from Mr. Jonathan Spergel, Manko, Gold & Katcher, re: The current position of Elizabethtown Borough, the Masonic Homes, and the Pennsylvania Department of Environmental Protection (PADEP) on the Alternative Remedial Plan, 6/5/97. P. 308248-308339. The following are attached:
- a) letter dated September 23, 1996 to Mr. Trevan Houser, Waste Management, from Mr. Peter Whipple, Borough Manager, regarding the endorsement of the Alternative Remedial Plan;
 - b) a February 28, 1997, agreement between Masonic Homes and Waste Management Services;
 - c) site location maps;
 - d) an August 21, 1996, transmittal letter to Mr. Frank Klanchar, U.S. EPA, from Mr. Trevan Houser, Waste Management;
 - e) Report: Alternative Remedial Plan, Elizabethtown Landfill West Donegal Township, Lancaster county, Pennsylvania, prepared by Golder Associates, 8/96;

- f) a February 6, 1997, letter to Ms. Robin Pepperman, Masonic Homes, from Mr. Trevan Houser, Waste Management;
 - g) an May 19, 1997, letter to Ms. Sherry Gallagher, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes; and
 - h) an August 8, 1996, letter to Mr. Trevan Houser, Waste Management, from Mr. Jeffrey Silar, U.S. EPA.
- 111. Letter to Ms. Sherry Gallagher, U.S. EPA, from Ms. Robin Pepperman, Masonic Homes, re: Letter transmitting comments on the March 1997 Environmental Monitoring Plan, 7/7/97. P. 308340-308344. A July 18, 1997, letter from Mr. Joseph McNally, GeoServices, to Ms. Sherry Gallagher, U.S. EPA, regarding comments on the Elizabethtown Landfill, are attached.
- 112. Letter to resident of V840 W. Bainbridge Road, (town), from Mr. Trevan Houser, Waste Management, re: Request for a meeting, 7/17/97. P. 308345-308345.
- 113. Letter to Mr. and Mrs. Espenshade, residents, from Ms. Sherry Gallagher, U.S. EPA, re: Concerns regarding a letter from EPA, dated July 17, 1997, 7/25/97. P. 308346-308347. A July 17, 1997 letter to Mr. and Mrs. Espenshade, resident, from Mr. Trevan Houser, Waste Management is attached.
- 114. Letter to Mr. Thomas Voltaggio, U.S. EPA, from Mr. George Gekas, U.S. House of Representatives, re: An issue concerning the Masonic Homes water supply, which should be addressed before issuing a ROD, 8/20/97. P. 308348-308348.
- 115. Letter to Honorable George W. Gekas, U.S. House of Representatives, from Mr. Michael McCabe, U.S. EPA, re: A response to the Honorable George Gekas letter dated August 20, 1997, regarding the Proposed Alternative Remediation Plan, 9/11/97. P. 308349-308349.
- 116. Letter to Mr. Charles Howland, U.S. EPA, from Mr. David Garrison, Stevens & Lee, re: Request that EPA postpone

its selection of the remedy for the site, 9/26/97.
P. 308350-308359. The following are attached:

- a) A September 29, 1997, facsimile transmittal sheet;
- b) A September 30, 1997, facsimile transmittal sheet; and
- c) A September 30, 1997, memorandum to Ms. Sherry Lee Gallagher, U.S. EPA, from Mr. Robert Fares, Environmental Standards.

117. Letter to Mr. Charles Howland, U.S. EPA, from Mr. Kevin Gaynor, Vinson & Elkins, re: Request for Delay in ROD issuance to address new information, 9/29/97.
P. 308360-308362. A September 26, 1997, facsimile to Ms. Sherry Gallagher, U.S. EPA, from Mr. Thomas Bartman, Vinson & Elkins, is attached.

118. Letter to Mr. Abraham Ferdas, U.S. EPA, from Ms. Karen Bassett, DEP, re: Notification that the ROD was received September 23, 1997, and reviewed, 9/30/97.
P. 308363-308363.

119. Record of Decision, Elizabethtown Landfill, 10/97.
P. 308364-308437.

- * 120. Memorandum to Ms. Sherry Gallagher, U.S. EPA, from Mr. Bruce Rundell, U.S. EPA, re: Explanation that high manganese concentrations in the West Donegal Township Garage well could not be attributed to the Elizabethtown Landfill Site, 9/2/97. P. 308438-308438.

* This report was inadvertently indexed out of chronological order.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Map of approximate site location, (undated).
P. 500001-500001.

BIBLIOGRAPHY OF SITE SPECIFIC DOCUMENTS

1. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA, prepared by OSWER/OERR, 10/1/88.
OSWER #9355.3-01
2. Policy on Flood Plains and Wetland Assessments for CERCLA Actions, prepared by W.N. Hedeman, OERR, and G. Lucero, OWPE, 8/1/85.
OSWER #9280.0-02
3. Superfund Remedial Design and Remedial Action Guidance, prepared by OERR, 6/1/86.
OSWER #9355.0-4A
4. A Compendium of Superfund Field Operations Methods, prepared by OERR and OWPE, 12/1/87.
OSWER #9355.0-14
5. Data Quality Objectives for Remedial Response Activities: Development Process, prepared by CDM Federal Programs Corp. and OERR/OWPE, 3/1/87.
OSWER #9355.0-7B
6. CERCLA Compliance with Other Environmental Statues, prepared by J.W. Porter, OSWER, 10/2/85.
OSWER #9234.0-2
Attachments: Potentially Applicable or Relevant and Appropriate Requirements
7. CERCLA Compliance with Other Laws Manual Draft Guidance, prepared by OERR, 8/8/88.
OSWER #9234.1-01
8. Quality Criteria for Water 1986, prepared by Office of Water Regulations and Standards, 3/1/87.
EPA-440/5-86-001
9. Integrated Risk Information Systems (IRIS) (A Computer-Based Health Risk Information System Available Through E-Mail--Brochure on Access is Included), prepared by OHEA, (undated).22